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DOCKET NO.: B1102.70027US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Scott E. Miller et al.  
Serial No.: 10/664,046  
Confirmation No.: 2591  
Filed: September 16, 2003  
For: DETERMINATION AND/OR CONTROL OF REACTOR  
ENVIRONMENTAL CONDITIONS

Examiner: Not yet assigned  
Art Unit: 1744

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 17th day of January, 2006.

  
Angela M. Griffith

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**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

- Information Disclosure Statement
- PTO Form 1449 with cited references
- Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

Serial No.: 10/664,046  
Confirmation No.: 2591

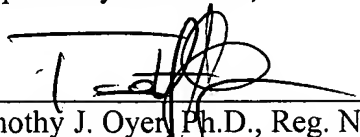
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Art Unit: 1744

A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,

By:

  
Timothy J. Oyer, Ph.D., Reg. No.: 36,628  
Tani Chen, Sc.D., Reg. No.: 52,728  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2206  
Telephone: (617) 646-8000

Docket No.: B1102.70027US00

Date: January 11, 2006

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**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 C.F.R. §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicants request consideration of this Information Disclosure Statement.

**PART I: Compliance with 37 C.F.R. §1.97**

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case. No fee or certification is required.

PART II: Information Cited

The Applicants hereby make of record in the above-identified application the information listed on the attached form PTO-1449 (modified PTO/SB/08). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicants would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Inventor(s)</u>	<u>Docket No.</u>
11/146,920	June 7, 2005	Seth T. Rodgers, et al.	B1102.70035US01

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 (modified PTO/SB/08) be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicants make no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

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By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicants, the Examiner is urged to form his or her own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

By:



Timothy J. Oyer, Ph.D., Reg. No. 36,628  
Tani Chen, Sc.D., Reg No. 52,728  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2206  
Telephone: (617) 646-8000

Docket No.: B1102.70027US00  
Date: January 11, 2006  
xNDDx



FOR PTO-1449/A and B (modified PTO/SB/08)

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

APPLICATION NO.: 10/664,046

ATTY. DOCKET NO.: B1102.70027US00

FILING DATE: September 16, 2003

CONFIRMATION NO.: 2591

APPLICANT: Scott E. Miller, et al.

GROUP ART UNIT: 1744

EXAMINER: Not yet assigned

Sheet 1 of 2

## **U.S. PATENT DOCUMENTS**

Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM/DD/YYYY
		Number	Kind Code		
		4,756,884		Hillman , et al.	07/12/1988
		4,952,373		Sugarman, et al.	08/28/1990
		5,219,762		Katamine, et al.	06/15/1993
		5,580,523		Bard	12/03/1996
		5,800,778		Chen, et al.	09/01/1998
		5,800,785		Bochner	09/01/1998
		5,916,812		Chen, et al.	06/29/1999
		6,148,968		Davison	11/21/2000
		6,245,295		Chen, et al.	06/12/2001
		6,251,343		Dubrow, et al.	06/26/2001
		6,277,629		Wolf, et al.	08/21/2001
		6,418,968		Pezzuto, et al.	07/16/2002
		6,569,674		McGarry, et al.	05/27/2003
		6,756,019		Dubrow, et al.	06/29/2004
		6,821,772		Barbera-Guillem, et al.	11/23/2004
		6,837,926		David	01/04/2005
		6,878,755		Singh, et al.	04/12/2005
		2002/0055166		Cannon, et al.	05/09/2002
		2004/0132166		Miller, Scott E., et al.	07/08/2004
		2005/0047967		Chuang, et al.	03/03/2005
		2005/0089993		Boccazzi, et al.	04/18/2005

## **FOREIGN PATENT DOCUMENTS**

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM/DD/YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
		EP	1 221 617	A2	The Provost, Fellows and Scholars of the College of the Holy and Undivided Trinity of Quean Elizabeth Near Dublin	07/10/2002	
		EP	1 226 871	A2	Ebara Corporation	07/31/2002	
		JP	2000 005581	A	Agency of IND Science & Technology	01/11/2000	
		JP	2001 129557	A	Japan Organo Co. Ltd.	05/15/2001	
		JP	2001 157879	A	Babcock Hitachi KK	06/12/2001	
		WO	01/92462	A1	Ashby Scientific Ltd.	12/06/2001	
		WO	02/100542	A1	Centre National De La Recherche Scientifique	12/19/2001	

FORM PTO-1449/A and B (modified PTO/SB/08)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICATION NO.: 10/664,046		ATTY. DOCKET NO.: B1102.70027US00	
				FILING DATE: September 16, 2003		CONFIRMATION NO.: 2591	
				APPLICANT: Scott E. Miller, et al.			
				GROUP ART UNIT: 1744		EXAMINER: Not yet assigned	
Sheet	2	of	2				

**OTHER ART — NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		Office Action dated 05/17/05 from U.S. Serial No. 09/707,852	
		Office Action dated 05/19/04 from U.S. Serial No. 10/119,917	
		International Search Report dated 5/19/2005 from International Application No. PCT/US03/25907	

EXAMINER:	DATE CONSIDERED:
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# EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE – No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]